1148

PTO/SB/21 (08-00) Approved for use through 10/31/02. OMB 0651-0031 Please type a plus sign (+) inside this box → U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number 10/046,938 **Application Number** Filing Date January 14, 2002 **FORM** First Named Inventor Suresh K. MITTAL 1648 **Group Art Unit Examiner Name** To Be Assigned APR 0 4 281 Sed for all correspondence after initial filing) 28 pages + 2 Total Number Of Pages In This Submission Attorney Docket No. 293102002103 references TECH CENTER 160612000 ENCLOSURES (check all that apply) Assignment Papers After Allowance Communication to Fee Transmittal Form (for an Application) Group Appeal Communication to Board of Fee Attached Drawing(s) Appeals and Interferences Appeal Communication to Group Amendment / Reply Licensing-related Papers (Appeal Notice, Brief, Reply Brief) Petition Proprietary Information After Final Petition to Convert to a Status Letter Affidavits/declarations Provisional Application Power of Attorney, Revocation Other Enclosure(s) (please identify Extension of Time Request Change of Correspondence Address below): Form PTO-1449 - 12 pages + Terminal Disclaimer duplicate copy Two (2) references Express Abandonment Request Return receipt postcard Request for Refund Information Disclosure Statement - 3 X CD, Number of CD(s)_ Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY OR AGENT Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, California 94304-1018 Firm Debra J. Glaister (Registration No. 33,888) Individual Name Signature March 7. 2002 Date CERTIFICATE OF MAILING BY "FIRST CLASS MAIL" I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on March 1/2, 2002. Atraa 1 Patricia Ellison

Burden Hours Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. U.S. Patent and Trademark Office. Washington, DC, 2023* DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Box Patent Application, Washington, DC, 2023*

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on March 21, 2002.

Mitigaa I Hilan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Ark 0 4 2002

In the application of:

Suresh K. MITTAL et al.

Serial No.: 10/046,938

Filing Date: January 14, 2002

For: RECOMBINANT PROTEIN

PRODUCTION IN BOVINE

ADENOVIRUS EXPRESSION VECTOR

SYSTEM

RECEIVED

Examiner: To Be Assigned

TECH CENTER 1600/290

Group Art Unit: 1648

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 AND § 1.98

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of documents numbered 12 and 13 are submitted herewith. Copies of documents numbered 1-4; 17; 20-22; 33; 35; 40; 45-48; 77; 79; 92; 97; 109-110; 117; 119; 122; 144; 155; 172; and 176-177 were previously submitted in Information Disclosure Statements and Office Actions directed to the related application Serial Number 08/164,292, filed on December 9, 1993; and copies of documents numbered 5-11; 14-16; 18-19; 23-32; 34; 36-39; 41-44; 49-76; 78; 80-91; 93-96; 98108; 111-116; 118; 120-121; 123-143; 145-154; 156-171; 173-175; and 178-194 were previously submitted in Information Disclosure Statements and Office Actions, directed to the related application Serial Number 09/435,242, filed November 5, 1999, and, accordingly, copies are not included herewith. This protocol conforms with 37 C.F.R. §1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

	I his In	formation Disclosure Statement is submitted:
	With	the application; accordingly, no fee or separate requirements are required.
\boxtimes	Withi	n three months of the application filing date or before mailing of a first Office
	Actio	n on the merits; accordingly, no fee or separate requirements are required.
	After	receipt of a first Office Action on the merits but before mailing of a final Office
	Actio	n or Notice of Allowance.
		A fee is required. A check in the amount of * is enclosed.
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached
		to this submission in duplicate.
		A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee
		is believed to be due.
	After	mailing of a final Office Action or Notice of Allowance, but before payment of the
	issue	fee.
		A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the
		amount of * is enclosed.
		A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal
		form (PTO/SB/17 is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 293102002103. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: March j'/1, 2002

Respectfully submitted,

Bv:

Debra J. Glaister

Registration No. 33,888

Morrison & Foerster LLP 755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-5725 Facsimile: (650) 494-0792

3

Form	PΤ	O-1	449		

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

		Sheet	01.12
Oocket Number 293102002103	Application Number 10	046,938	
Applicant			
Suresh	K. MITTAL et al.	큐	
filing Date January 14, 2002	Group Art Unit: 1648	宁	_
Mailing Date March 27, 2002		CE CE	P



U.S. PATENT DOCUMENTS

10.	at/	,	U.S. FA	TENT DOCUMENTS	•		No.
Examined Initials	No.	Date	Document No.	Name	Class	Subclass	Filin ate If Appropriate
	1.	06/08/1976	3,962,424	Zygraich et al.			
	2.	04/09/1985	4,510,245	Cousens et al.			
	3.	04/24/1990	4,920,209	Davis et al.			
	4.	06/18/1991	5,024,939	Gorman			
	5.	09/29/1992	5,151,267	Babiuk et al.			
	6.	05/26/1998	5,756,086	McClelland et al.			
	7.	06/23/1998	5,770,442	Wickham et al.			
	8.	10/13/1998	5,820,868	Mittal et al.			
	9.	12/08/1998	5,846,782	Wickham et al.			
	10.	02/16/1999	5,871,727	Curiel			
	11.	07/13/1999	5,922,576	He et al.			
	12.	12/14/1999	6,001,591	Mittal et al.			
	13.	07/11/2000	6,086,890	Mittal et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES	NO
	14.	06/25/1986	0 185 573	Great Britain			English equivalent of Ref. No. 15	
	15.	06/25/1986	0 185 573	Europe			See Ref. No. 14	
	16.	03/09/1988	0 259 149	Europe				
	17.	09/26/1990	0 389 286	Europe				
	18.	08/10/1990	2,642,767	France			YES	
	19.	08/09/1991	2,657,880	France			YES	
	20.	09/24/1990	2.012.895	Canada				
	21.	11/06/1986	WO 86/06409	WIPO				
	22.	08/08/1991	WO 91/11525	WIPO				

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTC	orm PTO-1449				Docket Number 293102002103		Application	on Number 10 046,938	
ONPO		ON DISCLO AN APPLIC	SURE CITATION	ON	Applicant Suresh K. MITTAL et al.				TEC
APR 0 2	mazY	'se several sheets if r	iecessary)		Filing Date January 14, 2002 Group Art Unit: 1648			r Unit: 1648 🚡 😤	
					Mailing	Date March I	27, 2002		WI 0
TRADE	ART.								
TRAVE	23.	06/15/1995	WO 95/16048	WIPO					2002 1600 ,
	24.	07/25/1996	WO 96/22398	WIPO			<u> </u>		2/2 900
	25.	12/30/1998	WO 98/59063	WIPO					8
			OTI	HER DO	OCUM	ENTS	(1	including author, tit.	le, Date, Pertinent Pages, Etc.)
Examiner Initials	Ref. No.	Title							
	26.	Alley, C.D. and Mestecky, J. (1988). "The mucosal immune system" Chapter 9 In B-lymphocytes in human diseases. G. Bird and J. E. Calvert, eds., Oxford University Press: Oxford, pp.222-254.							
	27.	Amalfitano, A. et al. (April 1996). "Improved adenovirus packaging cell lines to support the growth of replication-defective gene-delivery vectors," <i>Proc. Natl. Acad. Sci., USA</i> , Genetics 93(8):3352-3356.							
	28.	Andersson, M. et al. (1985). "Impaired Intracellular Transport of Class I MHC Antigens as a Possib Means for Adenoviruses to Evade Immune Surveillance," <i>Cell</i> 43:215-222.				Antigens as a Possible			
	29.	Baca-Estrada, M.E. et al. (1996). "Immunogenicity of bovine herpesvirus 1 glycoprotein D in mice: Effect of antigen form on the induction of cellular and humoral immune responses," <i>Viral Immunol.</i> 9(1):11-22.							
	30.	Barbeau, D. et al. (1992). "Quantitative analysis of regions of adenovirus E1A products involved in interactions with cellular proteins," <i>Biochem. Cell . Biol.</i> 70:1123-1134.							
<u> </u>	31.	Bartha, A. (1913):319-32		or subgr	ouping	of bovine	adenoviri	uses," <i>Acta. V</i>	et. Acad. Sci. Hung.
	32.	Baxi, M.K. et al. (1998). "Characterization of bovine adenovirus type 3 early region 2B," Virus Genes 16(3):313-316.							
	33.								
	34. Bellett, A.J.D. et al. (1989). "Functions of the Two Adenovirus Early E1A Proteins and Their Conserved Domains in Cell Cycle Alteration, Actin Reorganization, and Gene Activation in Rat Cells," <i>J. Virol.</i> 63(1):303-310.								
	35. Benkö et al. (1990). "Molecular Cloning and physical mapping of the DNA of bovine adenovirus serotype 4: study of the DNA homology among bovine, and porcine adenoviruses," <i>Journal of General Virology</i> 71:465-469.								
	36.	Berg, J.M. (1 232:485-487.		Metal-Bi	nding I	Oomains ir	n Nucleic	Acid Binding	Proteins," Science
	37.		al. (1979). "Pre-I NAs." <i>Cell</i> 17:93		lenovir	ıs 5 Gene	Product F	Regulates Synt	hesis of Early Viral
	38.	Berk, A.J (19	986). "Adenoviru	s Promo	ters and	l E1A Tra	nsactivati	on," Ann. Rev.	. Genet 20:45-79.
EXAMP.	CFR.				I	DATE CON	SIDERFI	D:	
			dered, whether or not lude a copy of this fo					raw a line through	n the citation if not in

Form PTO-1449		Docket Number 293102002103	Application Number 10 046,938		
INFORMAT	ION DISCLOSURE CITATION	Applicant			
	AN APPLICATION	Suresh K. M	IITTAL et al.		
<u>る</u> ('se several sheets (f necessary)	Filing Date January 14, 2002	Group Art Unit: 1648		
APR 0 2 2002 3		Mailing Date March 27, 2002			
APR (1 2002 3					
TRADEWSO.	Berk, A.J. and Sharp, P.A. (1978). "Str	ructure of the Adenovirus 2 Earl	y mRNAs," <i>Cell.</i> 14:695-711.		
40.	Berkner, K.L. (1989) "Development of Genes" <i>Biotechniques</i> 6:616-629.	f Adenovirus Vectors for the Ex	pression of Heterologous		
41.	Berkner, K.L. and Sharp, P.A. (1984). region, in an Ad5-dihydrofolate reduct				
42.	Bett, A.J. et al. (1993). "Packaging Cal <i>Virol</i> . 67(10):5911-5921.	pacity and Stability of Human A	denovirus Type 5 Vectors," J.		
43.	Himboim, H.C. and Doly, J. (1979). "A rapid alkaline extraction procedure for screening recombin plasmid DNA," <i>Nuc. Acids Res.</i> 7(6):1513-1523.				
44.	Boshart, M. et al. (June 1985). "A very strong enhancer is located upstream of an immediate early gene of human cytomegalovirus," <i>Cell 41:</i> 521-530.				
45.	Bostock, C.J. (1990). "Viruses as Vect	ectors" Vet. Microbiol. 23:55-71.			
46. Boyle et al. (1992). "Vectors for Recombinant Vaccine Delivery" <i>In</i> Animal Parasite Control Utilizing Biotechnology, W.K. Yong CRC Press:Boca Raton, pp. 25-47.					
47.	Boyle et al. (1993). "Recombinant fowlpox virus vaccines for poultry," <i>Immunol. Cell Biol.</i> 71:391-397.				
48.	Boyle, D.B. (1989). "How do other Poxviruses fit in as Potential Vectored Vaccine Substrates for Animal Immunizations?" <i>Res. Virol.</i> 140(5):483-491.				
49.	Branton, P.E. et al. (1985). "Transformation by Human Adenoviruses," <i>Biochim. Biophys. Acta</i> 780:67-94.				
50.	Brennan, S. and Savage, R. (1990). "Embryonic transcriptional activation of a <i>Xenopus</i> cytoskeletal actin gene does not require a serum response element," <i>Roux's Arch. Dev. Biol.</i> 199:89-96.				
51.	Brough, D.E. et al. (September 1996). "A gene transfer vector-cell line system for complete functional complementation of adenovirus early regions E1 and E4," <i>J. of Virol.</i> 70(9):6497-6501.				
52.	Bruder, J.T. and Hearing, P. (1989). "Nuclear Factor EF-1A Binds to the Adenovirus E1A Core Enhancer Element and to Other Transcriptional Control Regions," <i>Mol. Cell Biol.</i> 9(11):5143-5153.				
53.	Burgert, H. and Kvist, S. (1985). "An Adenovirus Type 2 Glycoprotein Blocks Cell Surface Expression of Human Histocompatibility Class I Antigens," <i>Cell</i> 41:987-997.				
54.	Burgert, H. and Kvist, S. (1987). "The histocompatibility antigens required fo				
55.	Cai, F. et al. (1990). "Nucleotide and d proteinase," Nuc. Acids Res. 18(18):55		the bovine adenovirus type 3		
56.	Carlin, C.R. et al. (1989). "Epidermal C Protein Encoded by the E3 Region of A		n-Regulated by a 10,400 MW		
EXAMINER:		DATE CONSIDERED:			
	ial if citation considered, whether or not the citation considered. Include a copy of this form with n		ine through the citation if not in		

Form PTO-1449		Docket Number 293102002103	Application Number 10 046,938		
INFORMAT	ION DISCLOSURE CITATION	Applicant			
	I AN APPLICATION	Suresh K. M	IITTAL et al.		
1 4 10	Use several sheets if necessary)	Filing Date January 14, 2002	Group Art Unit: 1648		
APR 0 2 2002 3		Mailing Date March 27, 2002			
. <u> </u>					
TRADENTS 7.	Chanda, P.K. et al. (1990). "High Level Immunodeficiency Virus Type I in Pre 7 Recombinants," <i>Virology</i> 175:535-5	esence of rev Gene Using Helper			
58.	Chroboczek, J. and Jacrot, B. (1987). Differences between Serotypes 2 and 3	"The Sequence of Adenovirus F	ber: Similarities and		
59.	Chu, G. et al. (1987). "Electroporation Nucl. Acids Res 15(3):1311-1327.		mammalian cells with DNA,"		
60.	Cladaras, C. and Wold, W.S.M. (1985) Adenovirus 5," Virology 140:28-43.). "DNA Sequence of the Early	E3 Transcription Unit of		
61.	systems of immune defense?" Ann. Intern. Med. 106:892-899.				
62.	62. Culp, J.S. et al. (1988). "The 289-amino acid E1A protein of adenovirus binds zinc in a region the important for trans-activation," <i>PNAS</i> , <i>USA</i> 85:6450-6454.				
63.	Darbyshire, J.H. (1966). "Oncogenicit	y of Bovine Adenovirus Type 3	in Hamsters," Nature 211:102.		
64.	64. Darbyshire, J.H. et al. (1965). "A New Adenovirus Serotype of Bovine Origin," <i>J. Comparative Pathology</i> 75:327-331.				
65.	Darbyshire, J.H. et al. (1966). "The Pathogenesis and Pathology of Infection in Calves with a Strain of Bovine Adenovirus Type 3," <i>Res. Vet Sci</i> 7:81-93.				
66.	de Wet, J.R. et al. (1987). "Firefly Luciferase Gene: Structure and Expression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 7(2):725-737.				
67.	Degryse, E. (1996). "In vivo intermole plasmid constructions," <i>Gene 170</i> :45-		hia coli: Application to		
68.	Dewar, R.L. et al. (1989). "Synthesis a Envelope Proteins Encoded by a Reco				
69.	Doronin, K.K. et al. (1993). "Expressi (SEAP) by a nondefective adenovirus	ion of the gene encoding secreted placental alkaline phosphatase s vector," <i>Gene 126</i> :247-250.			
70.	Dower, W.J. et al. (1988). "High efficience." Acids Res. 16(13):6127-6145.	ciency transformation of E. coli by high voltage electroporation,"			
71.	Dragulev, B.P. et al. (1991). "Sequence Strains of Canine Adenovirus Type 1,"		ber Genomic Regions of Two		
72.	72. Dynan, W.S. and Tjian, R. (1983). "The Promoter-Specific Transcription Factor Sp1 Binds to Upstream Sequences in the SV40 Early Promoter," <i>Cell.</i> 35:79-87.				
73.	Dyson, N. et al. (1990). "Large T Anti with the Retinoblastoma Protein," J. V		are Able To Form Complexes		
74.	Egan, C. et al. (1989). "Binding of the transformation," <i>Oncogene</i> 4:383-388		required for adenovirus		
EXAMINER:		DATE CONSIDERED:			
	ial if citation considered, whether or not the citati not considered. Include a copy of this form with r		ine through the citation if not in		

Ing Date January 14, 2002 Group Art Unit: 1648 Figure 1648 Figure 1648 Figure 1648 Group Art Unit: 1648 Figure 1648 Figure 1648 Group Art Unit: 1648 Figure 1648 Fig				
quence analysis of E1 and pIX regions of the BAV3 vaccine approaches," <i>J. Immunol. 156</i> :3579-3582. inant Vectored Virus Vaccines," <i>Adv. Vet. Sci. Comp. Med</i> aracterization of 911: a new helper cell line for the titration denoviral vectors," <i>Human Gene Therapy</i> 7:215-222. in the right inverted terminal repeat of the DNA of caning sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,				
quence analysis of E1 and pIX regions of the BAV3 vaccine approaches," <i>J. Immunol. 156</i> :3579-3582. inant Vectored Virus Vaccines," <i>Adv. Vet. Sci. Comp. Med</i> aracterization of 911: a new helper cell line for the titration idenoviral vectors," <i>Human Gene Therapy</i> 7:215-222. in the right inverted terminal repeat of the DNA of caning sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,				
quence analysis of E1 and pIX regions of the BAV3 vaccine approaches," <i>J. Immunol. 156</i> :3579-3582. inant Vectored Virus Vaccines," <i>Adv. Vet. Sci. Comp. Med</i> aracterization of 911: a new helper cell line for the titration adenoviral vectors," <i>Human Gene Therapy</i> 7:215-222. in the right inverted terminal repeat of the DNA of caning sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,"				
vaccine approaches," <i>J. Immunol. 156</i> :3579-3582. inant Vectored Virus Vaccines," <i>Adv. Vet. Sci. Comp. Med</i> aracterization of 911: a new helper cell line for the titration adenoviral vectors," <i>Human Gene Therapy</i> 7:215-222. in the right inverted terminal repeat of the DNA of caning angarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,"				
vaccine approaches," <i>J. Immunol. 156</i> :3579-3582. inant Vectored Virus Vaccines," <i>Adv. Vet. Sci. Comp. Med</i> aracterization of 911: a new helper cell line for the titration adenoviral vectors," <i>Human Gene Therapy</i> 7:215-222. in the right inverted terminal repeat of the DNA of caning angarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,"				
aracterization of 911: a new helper cell line for the titration adenoviral vectors," <i>Human Gene Therapy</i> 7:215-222. in the right inverted terminal repeat of the DNA of caning sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,				
aracterization of 911: a new helper cell line for the titration adenoviral vectors," <i>Human Gene Therapy</i> 7:215-222. In the right inverted terminal repeat of the DNA of caning sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,				
in the right inverted terminal repeat of the DNA of caning sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,				
sungarica 39:159-168. equencing of the bovine adenovirus type 2 early region 4,				
10 Epitopes on Bovine Herpesvirus Type I Glycoproteins				
82. Flomenberg, P.R. et al. (1988). "Sequence and Genetic Organization of Adenovirus Type 35 Early Region 3," <i>J. of Virology</i> . 62(11):4431-4437.				
GenBank database under accession number D16839.				
Ghosh-Choudhury, G. et al. (1987). "Protein IX, a minor component of the human adenovirus capsid, is essential for the packaging of full length genomes," <i>EMBO. J.</i> 6(6):1733-1739.				
Ginsberg, H.S. ed. (1984). <u>The Adenoviruses</u> . Plenum Press: New York, Table of Contents, pp. ix-xvii.				
f early region 3 (E3) in pathogenesis of adenovirus disease," 00 MW Protein from the E3 Region of Adenovirus Inhibits ," Cell 53:341-346.				
			pproaches to immunological problems. R.W. Ellis ed., 63-390.	
ipulation of adenovirus vectors" Chapter 11 <i>In</i> Methods in bression Techniques. Murray and Walker eds., Humana				
"A New Technique for the Assay of Infectivity of Human.				
s of a Human Cell Line Transformed by DNA from Huma 72.				
DATE CONSIDERED:				

NA termini from molecules lac N.M. et al. (1983). "Evidence f J. 2(8):1357-1365. us, A. and Horwitz, M.S. (1992 g, P. et al. (1987). "A human β ense transcripts," <i>PNAS</i> , <i>USA</i> . mad et al. (1986). "Developme	Filing Date January 14, 2002 Mailing Date March 27, 2002 and expression of glycoproteir imposium on Molecular and Conscience of the Exit of the Property of the Exit of the	novirus type 5: regeneration of <i>MBO J.</i> 8(7):2077-2085. tructure in the adenovirus fibre," vectors," <i>Sem. in Virol.</i> 3:237-				
eets if necessary) a, F.L. et al. (1988). "Cloning a " J. Cell. Biochem. UCLA Synt F109. a, F.L. et al. (1989). "Infectious NA termini from molecules lac N.M. et al. (1983). "Evidence f J. 2(8):1357-1365. us, A. and Horwitz, M.S. (1992), "A human β ense transcripts," PNAS, USA. mad et al. (1986). "Developme	Mailing Date March 27, 2002 and expression of glycoproteir imposium on Molecular and Cossicircular DNA of human aders eking terminal sequences," <i>EM</i> for a repeating cross-β sheet sequences. 3-actin expression vector system 84:4831-4835. The ent of a helper-independent human aders of the sequences of the se	n genes in human adenovies ellular Biology, Suppl. 12 movirus type 5: regeneration of MBO J. 8(7):2077-2085. tructure in the adenovirus fibre," vectors," Sem. in Virol. 3:237-				
" J. Cell. Biochem. UCLA Synt F109. I, F.L. et al. (1989). "Infectious NA termini from molecules lac N.M. et al. (1983). "Evidence f J. 2(8):1357-1365. Ius, A. and Horwitz, M.S. (1992). "A human β ense transcripts," PNAS, USA. mad et al. (1986). "Developme	and expression of glycoproteir imposium on Molecular and Cossicircular DNA of human aders exing terminal sequences," <i>EM</i> for a repeating cross-β sheet statement of a helper-independent human aders and the sequences of the seq	n genes in human adenovial ellular Biology, Suppl. 12 novirus type 5: regeneration of aBO J. 8(7):2077-2085. tructure in the adenovirus fibre," vectors," Sem. in Virol. 3:237-				
" J. Cell. Biochem. UCLA Synt F109. I, F.L. et al. (1989). "Infectious NA termini from molecules lac N.M. et al. (1983). "Evidence f J. 2(8):1357-1365. Ius, A. and Horwitz, M.S. (1992). "A human β ense transcripts," PNAS, USA. mad et al. (1986). "Developme	mposium on Molecular and Cossicircular DNA of human aders eking terminal sequences," <i>EM</i> for a repeating cross-β sheet s 2). "Adenoviruses as cloning adertin expression vector system 84:4831-4835. The ent of a helper-independent human adertin expression vector system as a cloning aderting the system and the system and the system are supposed to the system and the system are system as a cloning are system as a cloning and the system are system as a cloning are system as a clo	n genes in human adenovial ellular Biology, Suppl. 12 novirus type 5: regeneration of 180 J. 8(7):2077-2085. tructure in the adenovirus fibre," vectors," Sem. in Virol. 3:237-				
" J. Cell. Biochem. UCLA Synt F109. I, F.L. et al. (1989). "Infectious NA termini from molecules lac N.M. et al. (1983). "Evidence f J. 2(8):1357-1365. Ius, A. and Horwitz, M.S. (1992). "A human β ense transcripts," PNAS, USA. mad et al. (1986). "Developme	mposium on Molecular and Cossicircular DNA of human aders eking terminal sequences," <i>EM</i> for a repeating cross-β sheet s 2). "Adenoviruses as cloning adertin expression vector system 84:4831-4835. The ent of a helper-independent human adertin expression vector system as a cloning aderting the system and the system and the system are supposed to the system and the system are system as a cloning are system as a cloning and the system are system as a cloning are system as a clo	novirus type 5: regeneration of <i>IBO J.</i> 8(7):2077-2085. tructure in the adenovirus fibre," vectors," <i>Sem. in Virol.</i> 3:237-				
NA termini from molecules lac N.M. et al. (1983). "Evidence f J. 2(8):1357-1365. us, A. and Horwitz, M.S. (1992 g, P. et al. (1987). "A human β ense transcripts," <i>PNAS</i> , <i>USA</i> . mad et al. (1986). "Developme	eking terminal sequences," <i>EM</i> for a repeating cross-β sheet s 2). "Adenoviruses as cloning actin expression vector system 84:4831-4835. The system of a helper-independent human control of the system of a helper-independent human control of the system of a helper-independent human control of the system of	tructure in the adenovirus fibre," vectors," Sem. in Virol. 3:237-				
J. 2(8):1357-1365. us, A. and Horwitz, M.S. (1992) g, P. et al. (1987). "A human β ense transcripts," <i>PNAS</i> , <i>USA</i> . mad et al. (1986). "Developme	2). "Adenoviruses as cloning B-actin expression vector system 84:4831-4835. The system of a helper-independent human system of a helper-independent human system."	vectors," Sem. in Virol. 3:237-				
g, P. et al. (1987). "A human β ense transcripts," <i>PNAS, USA</i> . mad et al. (1986). "Developme	B-actin expression vector syste 84:4831-4835. ent of a helper-independent hu					
ense transcripts," <i>PNAS, USA</i> . mad et al. (1986). "Developme	84:4831-4835. ent of a helper-independent hu	em directs high-level accumulation				
		Gunning, P. et al. (1987). "A human β -actin expression vector system directs high-level accumulation of antisense transcripts," <i>PNAS, USA</i> . 84:4831-4835.				
Haj-Ahmad et al. (1986). "Development of a helper-independent human adenovirus vector and its use in the transfer of the herpes simplex virus thymidine kinase gene," <i>J. Virol.</i> 57:267-274.						
Harlow, E. et al. (1986). "Association of Adenovirus Early-Region 1A Proteins with Cellular Polypeptides," <i>Mol. Cell Biol.</i> 6(5):1579-1589.						
Hearing, P. and Shenk, T. (1986). "The Adenovirus Type 5 E1A Enhancer Contains Two Functionally Distinct Domains: One Is Specific for E1A and the Other Modulates All Early Units in Cis," Cell. 45:229-236.						
ff, S. (1984). "Unidirectional dequencing," Gene. 28:351-359.		creates targeted breakpoints for				
J. and Galibert, F. (1981). "No.," Nucl. Acids Res. 9(5):1229-		R1 E fragment of adenovirus 2				
J. et al. (1980). "Nucleotide soids Res. 8(10):2173-2192.	equence of the EcoRI D fragn	nent of adenovirus 2 genome,"				
(1967). "Selective extraction of: 365-369.	of polyoma DNA from infecte	ed mouse cell cultures," J. Mol.				
, J.J. et al. (1979). "Evolution on by Vesicular Stomatitis Viru		ns During Long-Term Persistent				
Hong, J.S. et al. (1988). "Characterization of the Early Region 3 and Fiber Genes of Ad7," Virology 167:545-553.						
T.M. et al. (1990). "A Protein Kilodalton Protein Is Found in						
n to the Binding of Cellular Pro						
	Kilodalton Protein Is Found in J.A. and Bayley, S.T. (1992). " n to the Binding of Cellular Pro	J.A. and Bayley, S.T. (1992). "Effects of Ad5 E1A Mutant Vn to the Binding of Cellular Proteins Including the Retinobla pt 186:15-24. DATE CONSIDERED:				

Form PTO-144	49	Docket Number 293102002103	Application Number 10 0	46.938		
INFORMA	TION DISCLOSURE CITATION	Applicant		ECH CENTER 1600/2900		
	IN AN APPLICATION		C MITTAL et al.			
	(Use several sheets if necessary)	Filing Date January 14, 2002	Group Art Unit: 1648	- ===		
		Mailing Date March 27, 2002				
PE VO	Howe, J.A. et al. (1990). "Retinoblas	stome growth summasser and a	200 kDa protain annas	<u></u>		
) m = 1	regulate cellular DNA synthesis." PN		oo-kDa protein appeal			
189 109 109	Hu et al. (1984). "Sequence homolog 608.	gy between bovine and human a	denoviruses," J. Virol.	49:604-		
ENT & TRAD	Hu, S.L. et al. (1984). "Restriction A Genome," <i>J. Virol.</i> 51:880-883.	nalysis and Homology Studies	of the Bovine Adenovi	rus 7		
111	Hughes, G. et al. (1988). "Functional type 1 glycoprotein IV," <i>Arch. Virol</i>	nal and topographical analyses of epitopes on bovine herpesvirus <i>rol.</i> 103:47-60.				
112	. Idamakanti, N (1998). "Molecular of Sci. Thesis, University of Saskatchev			-3," M.		
113	. Imler, J. (1995). "Adenovirus vectors	ors as recombinant viral vaccines," Vaccine 13(13):1143-1151.				
114	Jelsma, T.N. et al. (1988). "Use of D Adenovirus 5 E1A Gene to Define a <i>Virology</i> 163:494-502.					
Johnson, D.C. et al. (1988). "Abundant Expression of Herpes Simplex Virus Glycopro an Adenovirus Vector," <i>Virology</i> 164:1-14.						
116	Jones, N. and Shenk, T. (1979). "Isol for transformation of rat embryo cell		range deletion mutants	defective		
117	. Kaledin, A.S. (1988). "Cloning and S Shornik Nauchnykh Trudov-Moskovs					
118	. Kimelman, D. et al. (1985). "E1a Res Simian Adenovirus 7 Are Closely Re		es and of the Highly O	ncogenic		
119	1 ' '	infectious bovine rhinotracheitis virus vaccine expressing and-mouth disease capsid protein epitopes on surface of hybrid 17.				
120	. Kovesdi, I. et al. (1987). "Role of an coordinate gene control," <i>PNAS</i> , <i>USA</i>		g factor in E1A-mediat	ed		
121		recember 1995). "Development of cell lines capable of IX defective adenovirus type 5 mutants," <i>Human Gene Therapy</i>				
122	. Kruglyak, V.A. et al. (1987). "Clonir pUC 19 Plasmid," Soviet Agricultura		Cattle Adenoviruses E	BAV 3 in		
123	. Kunkel, T.A. et al. (1987). "Rapid an selection," <i>Meth. Enzymol.</i> 154:367-		nesis without phenotyp	ic		
124	. Kurokawa, T. et al. (1978). "Biochen of Viral DNA by Restriction Endone					
EXAMINER:		DATE CONSIDERED:				

Form PTO-1449)	Docket Number 293102002103	Application Number 10.046,938		
INFORMA	ΓΙΟΝ DISCLOSURE CITATION	Applicant			
I.	N AN APPLICATION	Suresh K. MITTAL et al.			
	(Use several sheets if necessary)	Filing Date January 14, 2002	Group Art Unit: 1648		
		Mailing Date March 27, 2002			
125.	Laemmli, U.K. (1970). "Cleavage of Bacteriophage T4," <i>Nature</i> 227:680-6		Assembly of the Head of		
3002 -	Lee, J.B. et al. (1998). "Genetic organadenovirus type 3," <i>Virus Gene</i> 17:99		early region 4 of bovine		
APR 0 2 2002 27.	Lee, W. et al. (1987). "Activation of sequences of the human metallothion				
TA TRADENT 128.	Liang, X. et al. (1993). "Identification dUTPase Gene and a Gene Homolog				
129.	Lillie, J.W. and Green, M.R. (1989). 338:39-44.	"Transcription activation by the adenovirus E1a protein," Nature			
130.	Lillie, J.W. et al. (1986). "An Adenor Transcriptional Repression," <i>Cell</i> 46:	ovirus E1a Protein Region Required for Transformation and i:1043-1051.			
131.		nogenicity and efficacy testing in chimpanzees of an oral hepatitis it adenovirus," <i>PNAS</i> , <i>USA</i> . 86:6763-6767.			
132.	Mattson, D.E. et al. (1988). "Bovine adenovirus type-3 Infection in Feedlot Calves," <i>Am. J. Vet Res.</i> 49(1):67-69.				
133.	McDermott, M.R. et al. (1989). "Protection of Mice Against Lethal Challenge with Herpes Simplex Virus by Vaccination with an Adenovirus Vector Expressing HSV Glycoprotein B," <i>Virology</i> 169:244-247.				
134.	McKnight, S.L. Kingsbury, R. (1982) Coding Gene," <i>Science</i> 217:316-324.		nals of a Eukaryotic Protein-		
135.	McLorie, W. et al. (1991). "Individua but by additive pathways," <i>J. Gen Vin</i>		ice transformation independently		
136.	Mittal, S.K. et al. (1992). "Sequence protein genes," <i>J. Gen. Virol.</i> 73:329:	analysis of bovine adenovirus type 3 early region 3 and fibre 05-3300.			
137.	Mittal, S.K. et al. (1992). "Sequence protein genes," <i>J. Gen. Virol.</i> 74:282				
138.	Mittal, S.K. et al. (1993). "Monitoring using the firefly luciferase gene as a result."		human adenovirus-based vector		
139.	Mittal, S.K. et al. (1995). "Developm <i>Gen. Virol.</i> 76:93-102.	ent of a bovine adenovirus type	e 3-based expression vector," J.		
140.	Mittal, S.K. et al. (1995). "Pathogene Cotton rats (Sigmodon hispidus)," Vi.		ovine Adenovirus Type 3 in		
141.	Mittal, S.K. et al. (1996). "Induction immunized with human adenovirus tybovine herpesvirus type 1 glycoprotes	pe 5 recombinants expressing	the full and truncated forms of		
EXAMINER:		DATE CONSIDERED:			

Form PTO-1449		Docket Number 293102002103	Application Number 10 046,938			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant				
		Suresh K. MITTAL et al.				
		Filing Date January 14, 2002	Group Art Unit: 1648			
		Mailing Date March 27, 2002	Mailing Date March 27, 2002			
SIPE OF		and immunogenicity in the cotton rat (Sigmodon hispidus) denovirus type 3 recombinant virus expressing the firefly 77:1-9.				
APR 0 2 2002	Morin, J.E. et al. (1987). "Recombin surface antigen in hamsters," <i>PNAS</i> .	ant adenovirus induces antibody response to hepatitis B virus <i>USA</i> 84:4626-4630.				
144	Moss, B. (1990). "Recombinant DN	Moss, B. (1990). "Recombinant DNA virus vectors for vaccination," Semin. Immunol. 2:317-327.				
TE TRADE 145	Motoi, M. et al. (1972). "Neoplastic transformation of hamster cells <i>in vitro</i> by Bovine adenovirus Type-3," <i>Gann</i> 63:415-418.					
140	Murphy, B.R. (1994). "Mucosal immunity to viruses," Chapter 29 <i>In</i> Handbook of mucosal immunology. P.L. Ogra et al. eds., Academic Press: San Diego, pp.333-343.					
147	7. Nevins, J.R. (1981). "Mechanism of Gene Product," <i>Cell</i> 26:213-220.	Nevins, J.R. (1981). "Mechanism of Activation of Early Viral Transcription by the Adenovirus E1A Gene Product," <i>Cell</i> 26:213-220.				
148	Nevins, J.R. (1982). "Induction of the Synthesis of a 70,000 Dalton Mammalian Heat Shock Protein by the Adenovirus E1A Gene Product," <i>Cell</i> 29:913-919.					
149	Niiyama, Y. et al. (1975). "Biochemical studies on bovine adenovirus type 3," Virol. 16(3):621-633.					
150	Ojkic, D. et al. (1997). "Sequence analysis of the terminal protein precursor coding regions from bovine adenovirus serotypes 2 and 3," <i>Intervirology</i> 40:253-262.					
151	Ojkic, D. et al. (May 4-8, 1997). "Sequencing analysis of the coding regions for the terminal protein precursor of bovine adenovirus serotypes 2 and 3," <i>Abstracts of the 97th General Meeting of the American Society for Microbiology</i> , Division S: DNA Viruses, Part 114-S "Viral strain variation: detection and molecular and biologic properties," Abstract No. S-2a, page 532.					
152	Orkin, S.H. and Motulsky, A.G. (December 7, 1995). "Report and recommendations of the panel to assess the NIH investment in research on gene therapy" http://www.nih.gov/news/panelrep.html , visited August 8, 2000, 40 pages .					
153	Papp, Z. et al. (1997). "Mucosal immunization with recombinant adenoviruses: Induction of immunity and protection of cotton rats against respiratory bovine herpesvirus type 1 infection," <i>J. Gen. Virol.</i> 78:2933-2943.					
154	Philipson, L. (1983). "Structure and Assembly of Adenoviruses," Current Topics in Microbiology and Immunology 109:1-52.					
155	Prevec, L. et al. (1989). "Use of human adenovirus-based vectors for antigen expression in animals" <i>J. Gen. Virol.</i> 70:429-434.					
156	Prevec, L. et al. (1990). "A Recombinant Human Adenovirus Vaccine against Rabies," J. Inf. Dis. 161:27-30.					
157	Ragot, T. et al. (1993). "Efficient adenovirus-mediated transfer of a human minidystrophin gene to skeletal muscle of <i>mdx</i> mice," <i>Nature</i> 361:647-650.					
EXAMINER:		DATE CONSIDERED:				

Form PTO-144	9	Docket Number 293102002103	Application Number 10 046,938			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicant Suresh K. MITTAL et al.				
	(Use several sheets (f necessary)	Filing Date January 14, 2002	Group Art Unit: 1648			
		Mailing Date March 27, 2002				

158.	Raviprakash, K.S. et al. (1989). "The Mouse Adenovirus Type 1 Contains an Unusual E3 Region," <i>J. Virology</i> 63(12):5455-5458.					
159.	bovine adenovirus type 3 " J. Virol 7.	y, P.S. et al. (1998). "Nucleotide sequence, genome organization, and transcription map of e adenovirus type 3," <i>J. Virol</i> 72(2):1394-1402.				
APR 0 7 2000 \$ 60.	Reddy, P.S. et al. (1999). "Replication J. Virol. 73(11):9137-9144.	leddy, P.S. et al. (1999). "Replication-defective bovine adenovirus type 3 as an expression vector," <i>Virol.</i> 73(11):9137-9144.				
TRADEMIN 161.	Rosenfeld, M.A. et al. (1991). "Adenovirus-Mediated Transfer of a Recombinant αl-Antitrypsin Gene to the Lung Epithelium in Vivo," <i>Science</i> 252:431-434.					
162.	Rosenfeld, M.A. et al. (1992). "In Vivo Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to the Airway Epithelium," <i>Cell</i> 68:143-155.					
163.	Rouse, B.T. and Babiuk, L.A. (1974). <i>Immunol</i> . 113(5):1391-1398.	Rouse, B.T. and Babiuk, L.A. (1974). "Host response to infectious bovine rhinotracheitis virus," <i>J. Immunol.</i> 113(5):1391-1398.				
164.	Sanger, F. et al. (1977). "DNA sequencing with chain-terminating inhibitors," <i>PNAS, USA</i> 74(12):5463-5467.					
165.		Schneider, M. et al. (1989). "Expression of the Glycoprotein of Vesicular Stomatitis Virus by Infectious Adenovirus Vectors," <i>J. Gen. Virol.</i> 70:417-427.				
166.		Shinagawa, M. et al. (1987). "Phylogenetic relationships between adenoviruses as inferred from nucleotide sequences of inverted terminal repeats," <i>Gene</i> 55:85-93.				
167.		Signäs, C. et al. (1985). "Adenovirus 3 Fiber Polypeptide Gene: Implications for the Structure of the Fiber Protein," <i>J. Virology</i> 53(2):672-678.				
168.		Signäs, C. et al. (1986). "Region E3 of human adenoviruses: differences between the oncogenic adenovirus-3 and the non-oncogenic adenovirus-2," <i>Gene</i> 50:173-184.				
169.	Song, B. et al. (1996). "Conservation of DNA sequence in the predicted major late promoter regions of selected mastadenoviruses," <i>Virology</i> 220:390-401.					
170.	Southern, E.M. (1975). "Detection of Specific Sequences Among DNA Fragments Separated by Gel Electrophoresis," <i>J. Mol. Biol.</i> 98:503-517.					
171.	Southern, P.J. and Berg, P. (1982). "Transformation of Mammalian Cells to Antibiotic Resistance with a Bacterial Gene Under Control of the SV40 Early Region Promoter," <i>J. Mol. Appl. Genet</i> 1:327-341.					
172.	Spibey, N. et al. (1989). "Identification and nucleotide sequence of the early region 1 from canine adenovirus types 1 and 2," <i>Virus Research</i> 14:241-256.					
173.	Stephens, C. and Harlow, E. (1987). "Differential splicing yields novel adenovirus 5 E1A mRNAs that encode 30 kd and 35 kd proteins," <i>EMBO J.</i> 6(7):2027-2035.					
174.	Stratford-Perricaudet, L.D. et al. (1990). "Evaluation of the Transfer and Expression in Mice of an Enzyme-Encoding Gene Using a Human Adenovirus Vector," <i>Hum. Gene. Ther.</i> 1:241-256.					
EXAMINER:		DATE CONSIDERED:				
	nitial if citation considered, whether or not the citated not considered. Include a copy of this form with		line through the citation if not in			

Form PTO-1449)	Docket Number 293102002103	Application Number 10 046,938		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicant Suresh K. MITTAL et al.			
,	Use several sheets if necessary)	Filing Date January 14, 2002	Group Art Unit: 1648		
		Mailing Date March 27, 2002			
01PE 175.	Subramani, S. and Southern, P.J. (1983). "Analysis of Gene Expression Using Simian Virus 40 Vectors," <i>Anal. Biochem.</i> 135:1-15.				
APR 0 2 2002 5	Thomsen, D.R. et al. (1987). "Pseudorabies virus as a live virus vector for expression of foreign genes," <i>Gene</i> 5:261-265.				
178.	Tikoo, S.K. et al. (1990). "Molecular Cloning, Sequencing, and Expression of Functional Bovine Herpesvirus 1 Glycoprotein gIV in Transfected Bovine Cells," <i>J. Virol.</i> 64:5132-5142.				
178.	Tikoo, S.K. et al. (1993). "Analysis of bovine herpesvirus 1 glycoprotein gIV truncations and deletions expressed by recombinant vaccinia viruses," <i>J. Virol.</i> 67(4):2103-2109.				
179.	Tollefson, A.E. et al. (1991). "The 10,400- and 14,500-Dalton Proteins Encoded by Region E3 of Adenovirus Form a Complex and Function Together To Down-Regulate the Epidermal Growth Factor Receptor," <i>J. Virol.</i> 65(6):3095-3105.				
180.	Tsukamoto, K. and Sugino, Y. (1972). "Nonproductive Infection and Induction of Cellular Deoxyribonucleic Acid Synthesis by Bovine Adenovirus Type 3 in a Contact-Inhibited Mouse Cell Line," <i>J. Virol.</i> 9(3):465-473.				
181.	Verma, I.M. and Somia, N. (1997). "Gene therapy-promises, problems and prospects," <i>Nature</i> 389:239-242.				
182.	Whyte, P. et al. (1988). "Association Between an Oncogene and an Anti-Oncogene: the Adenovirus E1A proteins bind to the Retinoblastoma gene product," <i>Nature</i> 334:124-129.				
183.	Whyte, P. et al. (1988). "Two Regions of the Adenovirus Early Region 1A Proteins Are Required for Transformation," <i>J. Virol.</i> 62(1):257-265.				
184.	Wold, W.S.M. and Gooding, L.R. (1989). "Adenovirus Region E3 Proteins that Prevent Cytolysis by Cytotoxic T Cells and Tumor Necrosis Factor," <i>Mol. Biol. Med.</i> 6:433-452.				
185.	Wold, W.S.M. and Gooding, L.R. (1991). "Region E3 of Adenovirus: A Cassette of Genes Involved in Host Immunosurveillance and Virus-Cell Interactions," <i>Virology</i> 184:1-8.				
186.	Xu, Z.Z. et al. (1995). "Investigation of promoter function in human and animal cells infected with human recombinant adenoviruses expressing rotavirus antigen VP7sc," <i>J. Gene Virol.</i> 76:1971-1980.				
187.	Xu, Z.Z. et al. (1997). "Construction of ovine adenovirus recombinants by gene insertion or deletion of related terminal region sequences," <i>Virol.</i> 230:62-71.				
188.	Yagubi, A. et al. (May 4-8, 1997). "Sequencing analysis of the region encoding the DNA polymerase of bovine adenovirus serotypes 2 and 3," <i>Abstracts of the 97th General Meeting of the American Society for Microbiology</i> , Division S: DNA Viruses, Part 114-S: "Viral strain variation: detection and molecular and biologic properties, Abstract No. S-2b, page 532.				
189.	Yanisch-Perron, C. et al. (1985). "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119.				
190.	Yee, S. and Branton, P.E. (1985). "Detection of Cellular Proteins Associated with Human Adenovirus Type 5 Early Region 1A Polypeptides," <i>Virology</i> 147:142-153.				
EXAMINER:		DATE CONSIDERED:			
	tial if citation considered, whether or not the citat not considered. Include a copy of this form with		line through the citation if not in		

Application Number 10 046,938 Docket Number 293102002103 Form PTO-1449 Applicant INFORMATION DISCLOSURE CITATION Suresh K. MITTAL et al. IN AN APPLICATION Filing Date January 14, 2002 Group Art Unit: 1648 (Use several sheets if necessary) Mailing Date March 27, 2002 Yuasa, T. et al. (1991). "Preferential expression of the large hepatitis B virus surface antigen gene by an adenovirus-hepatitis B virus recombinant," J. Gen. Virol. 72:1927-1934. Zerler, B. et al. (1987). "Different Functional Domains of the Adenovirus E1A Gene Are Involved in Regulation of Host Cell Cycle Products," Mol. Cell Biol. 7(2):821-829. 93. Zheng, B. et al. (1994). "The E1 sequence of bovine adenovirus type 3 and complementation of human adenovirus type 5 E1A function in bovine cells," Virus Res. 31:163-186. Zoller, M.J. and Smith, M. (1982). "Oligonucleotide-directed mutagenesis using M13-derived 194. vectors: An efficient and general procedure for the production of point mutations in any fragment of DNA." Nucl. Acids Res. 10(20):6487-6500.

RECEIVED

APR 0 4 2002

TECH CENTER 1600/2900

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.